

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019050.D
 Acq On : 14 Aug 2024 11:45
 Operator : SY/MD
 Sample : P3512-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:44:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

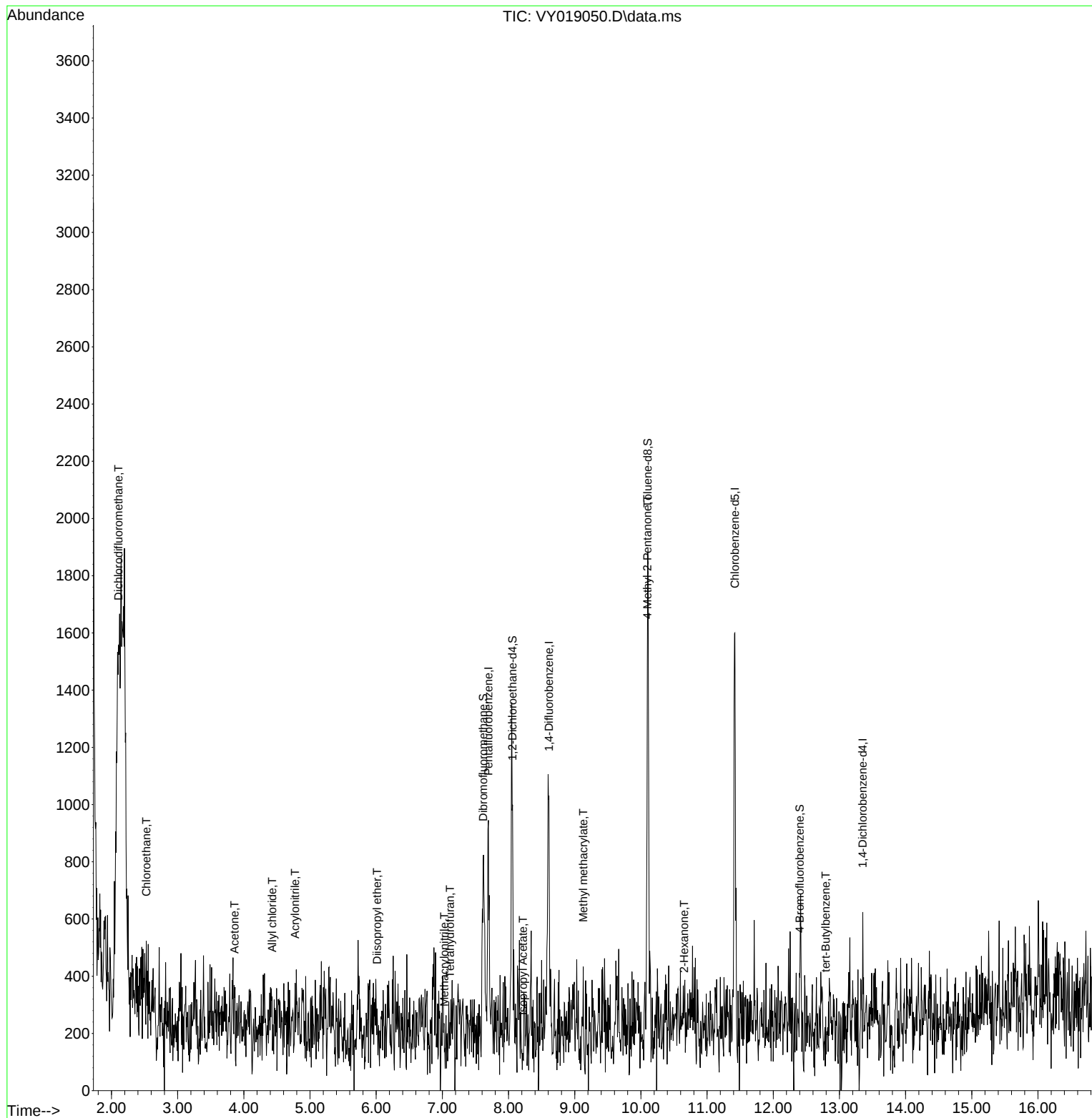
Internal Standards						
1) Pentafluorobenzene	7.695	168	594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	959	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	30	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	613	117.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	235.080%#
35) Dibromofluoromethane	7.616	113	439	61.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.080%
50) Toluene-d8	10.103	98	1098	40.069	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.140%
62) 4-Bromofluorobenzene	12.401	95	157	19.312	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	38.620%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.104	85	25	6.123	ug/l #	43
6) Chloroethane	2.525	64	22	2.391	ug/l #	42
11) Tert butyl alcohol	4.610	59	21	Below Cal	#	88
14) Allyl chloride	4.427	41	32	4.445	ug/l #	19
15) Acrylonitrile	4.775	53	24	21.778	ug/l #	18
16) Acetone	3.860	43	56	52.285	ug/l #	36
22) Diisopropyl ether	6.012	45	45	2.868	ug/l #	43
29) Tetrahydrofuran	7.116	42	20	20.087	ug/l #	26
41) Methacrylonitrile	7.030	41	20	8.426	ug/l #	15
43) Isopropyl Acetate	8.219	43	19	2.134	ug/l #	47
48) Methyl methacrylate	9.128	41	19	4.886	ug/l #	1
51) 4-Methyl-2-Pentanone	10.097	43	20	4.356	ug/l #	31
59) 2-Hexanone	10.652	43	20	6.073	ug/l #	19
83) tert-Butylbenzene	12.792	119	20	12.408	ug/l #	28

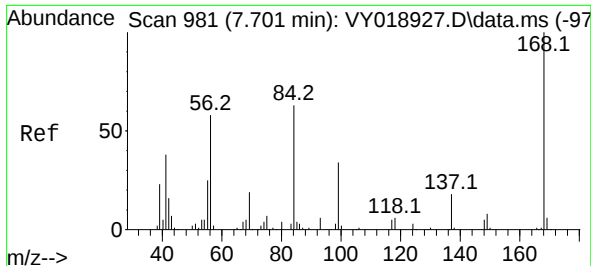
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY081424\
Data File : VY019050.D
Acq On : 14 Aug 2024 11:45
Operator : SY/MD
Sample : P3512-04
Misc : 5.09g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

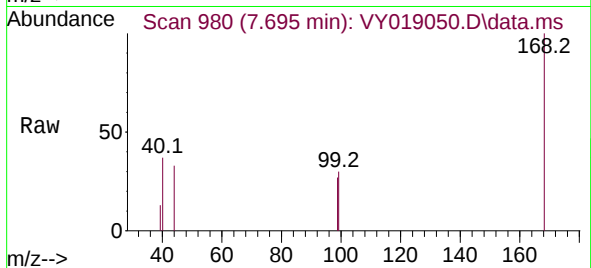
Quant Time: Aug 14 21:44:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y080824S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 09 04:24:33 2024
Response via : Initial Calibration



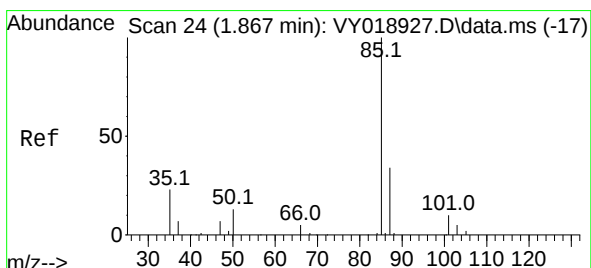
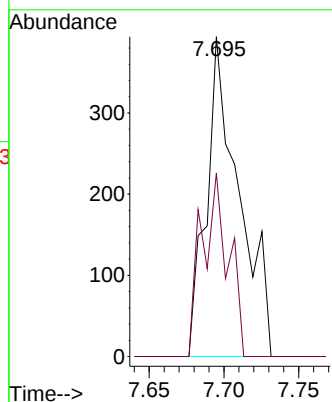
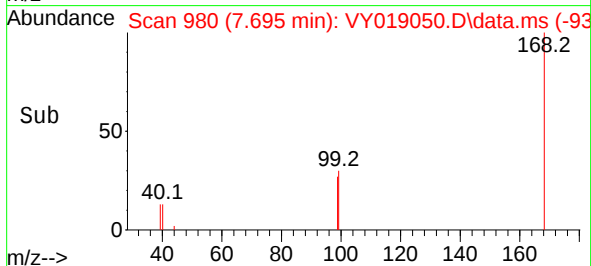


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

Instrument :
MSVOA_Y
ClientSampleId :

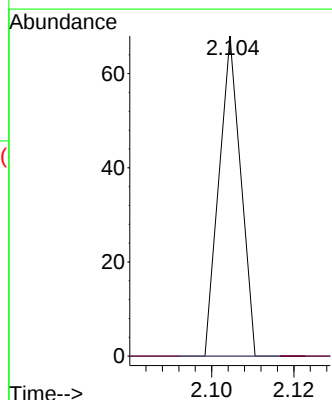
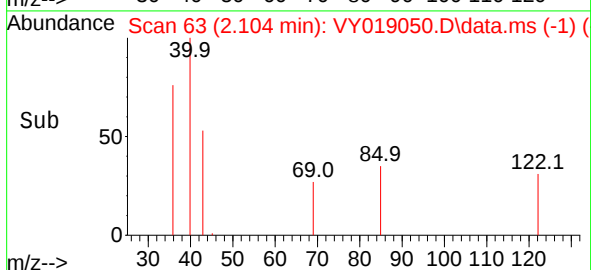
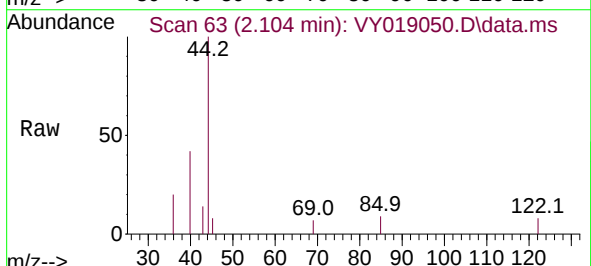


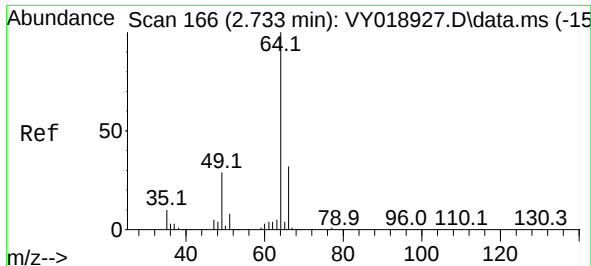
Tgt Ion:168 Resp: 594
Ion Ratio Lower Upper
168 100
99 57.4 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 6.123 ug/l
RT: 2.104 min Scan# 63
Delta R.T. 0.238 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

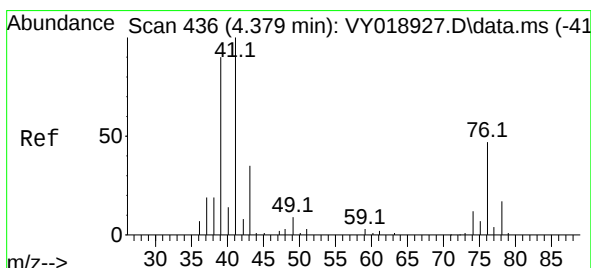
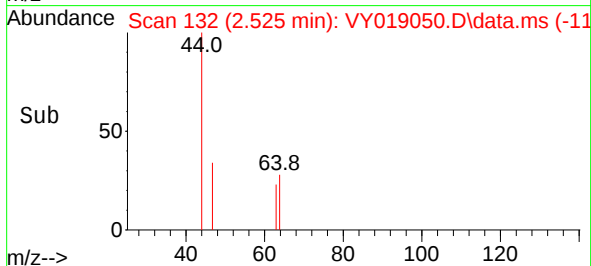
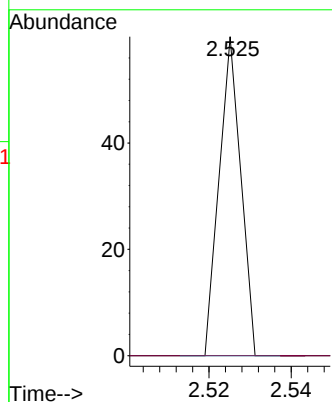
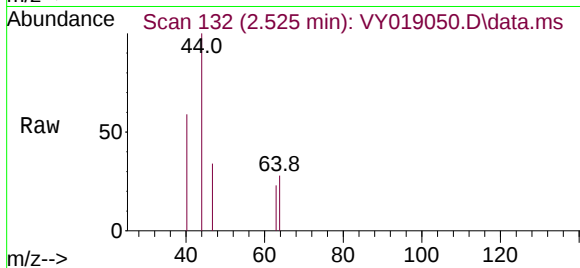




#6
Chloroethane
Concen: 2.391 ug/l
RT: 2.525 min Scan# 11
Delta R.T. -0.207 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

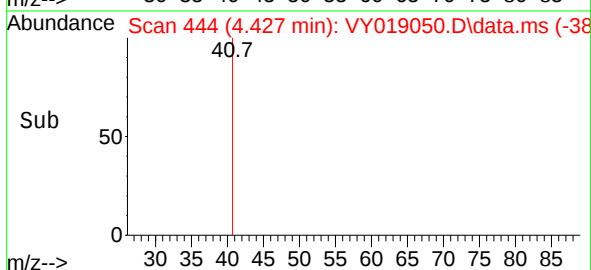
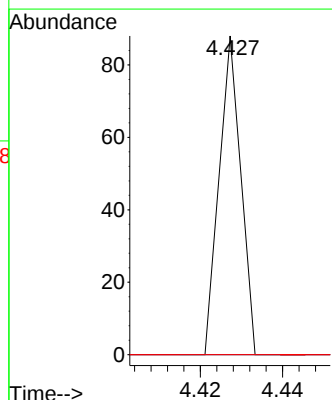
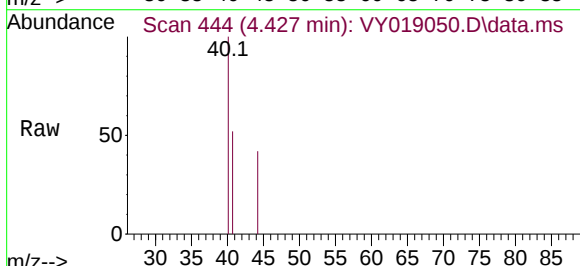
Instrument :
MSVOA_Y
ClientSampleId :

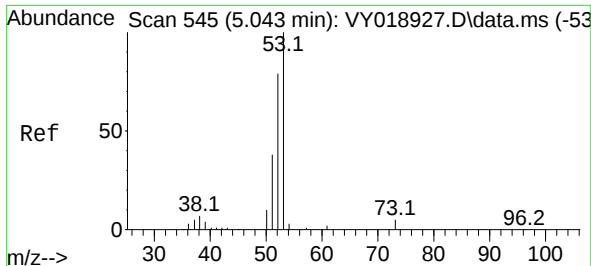
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#14
Allyl chloride
Concen: 4.445 ug/l
RT: 4.427 min Scan# 444
Delta R.T. 0.049 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

Tgt Ion: 41 Resp: 32
Ion Ratio Lower Upper
41 100
39 0.0 58.3 87.5#
76 0.0 39.0 58.6#





#15

Acrylonitrile

Concen: 21.778 ug/l

RT: 4.775 min Scan# 50

Delta R.T. -0.268 min

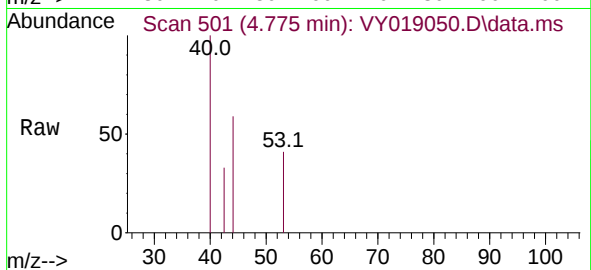
Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

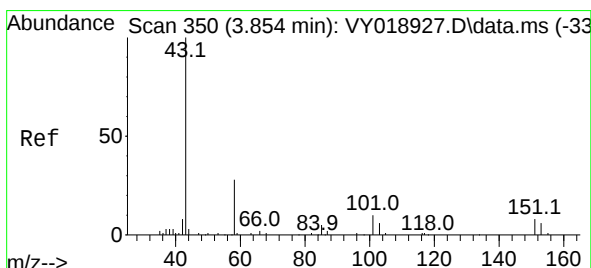
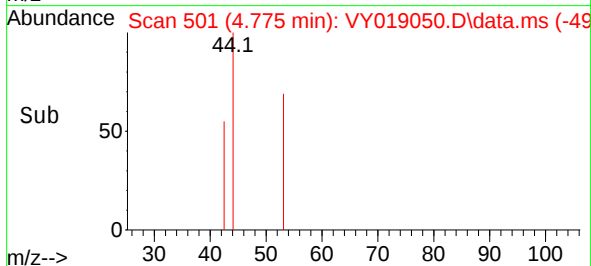
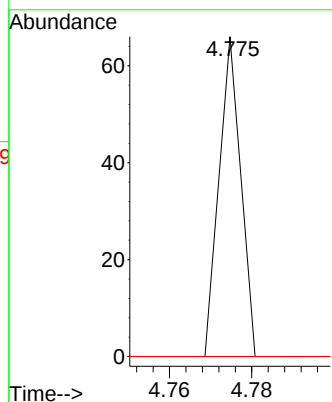
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 53	Resp: 24
Ion Ratio	Lower Upper
53	100
52	0.0 64.7 97.1#
51	0.0 28.4 42.6#



#16

Acetone

Concen: 52.285 ug/l

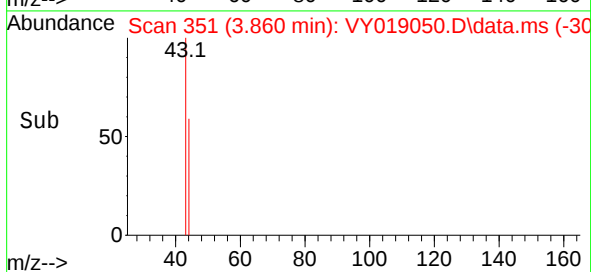
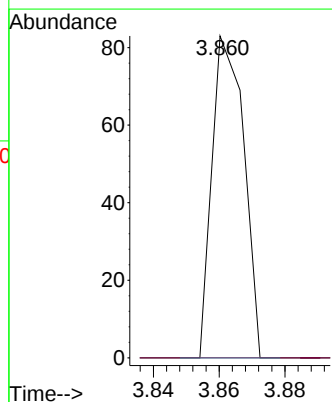
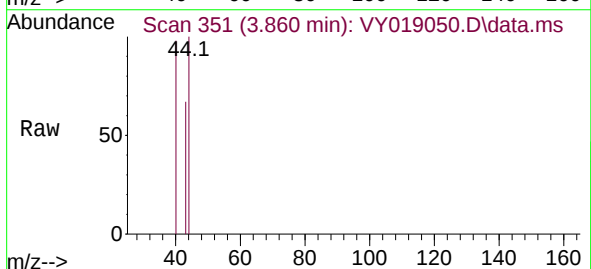
RT: 3.860 min Scan# 351

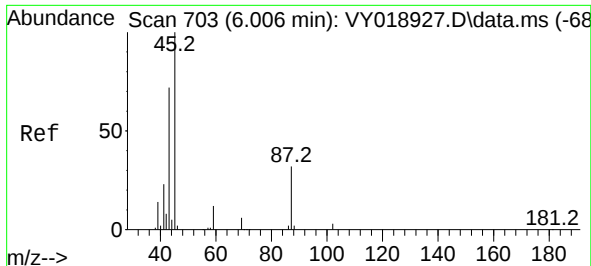
Delta R.T. 0.006 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43	100
58	0.0 31.7 47.5#





#22

Diisopropyl ether

Concen: 2.868 ug/l

RT: 6.012 min Scan# 703

Delta R.T. 0.006 min

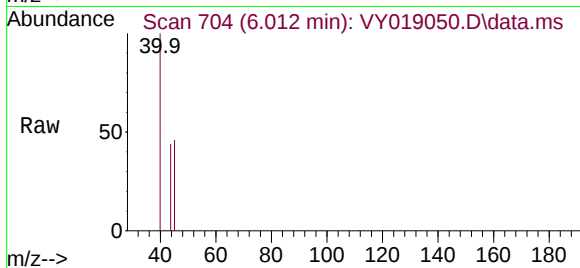
Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

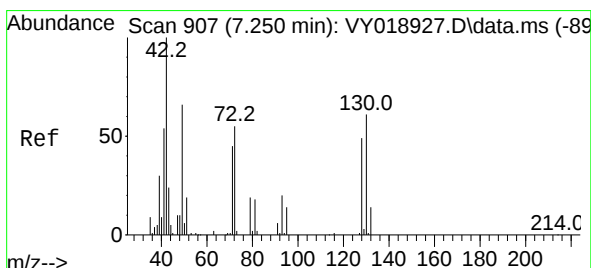
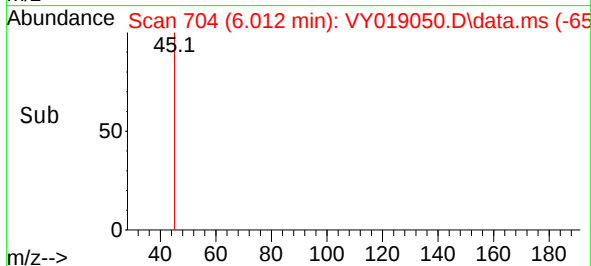
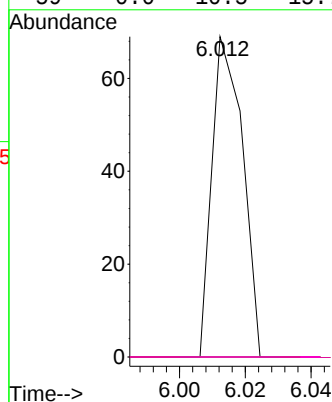
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	45	Resp:	45
Ion	Ratio	Lower	Upper
45	100		
43	97.1	42.2	63.2#
87	0.0	25.0	37.6#
59	0.0	10.5	15.7#



#29

Tetrahydrofuran

Concen: 20.087 ug/l

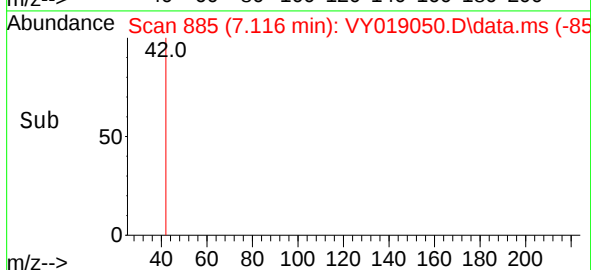
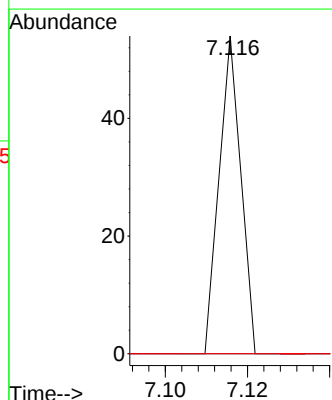
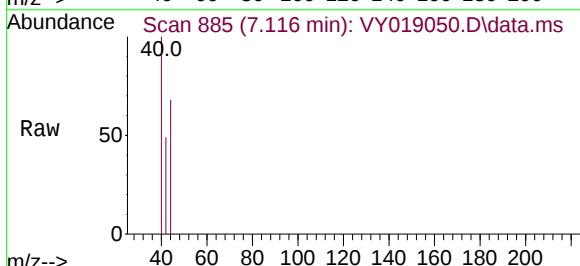
RT: 7.116 min Scan# 885

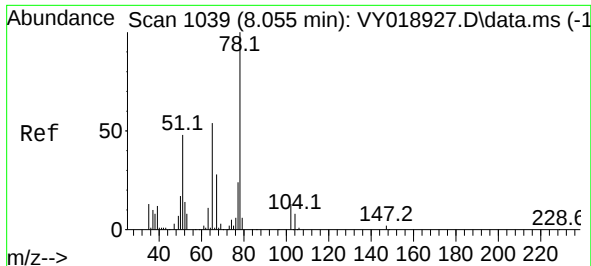
Delta R.T. -0.134 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Tgt Ion:	42	Resp:	20
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#





#33

1,2-Dichloroethane-d4

Concen: 117.539 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Instrument :

MSVOA_Y

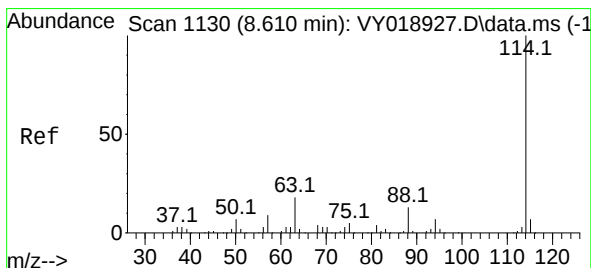
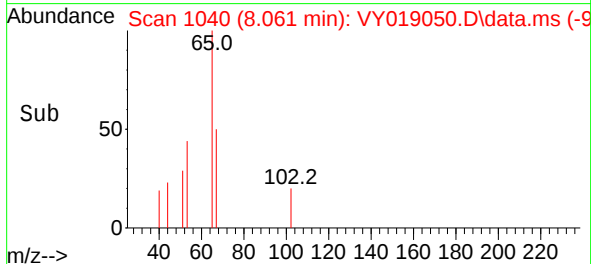
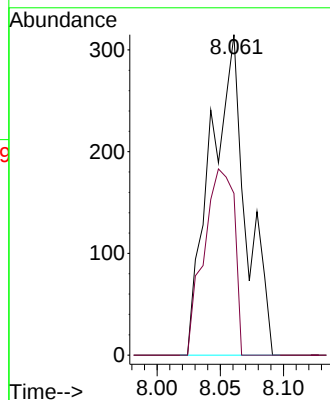
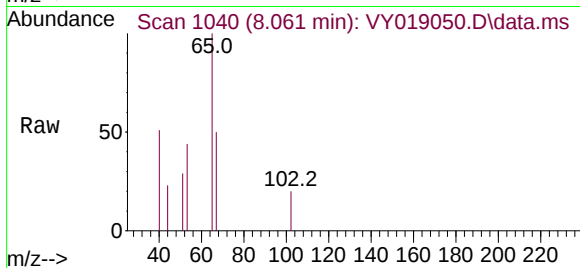
ClientSampleId :

Tgt Ion: 65 Resp: 613

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

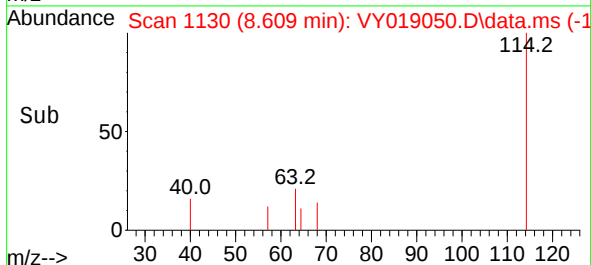
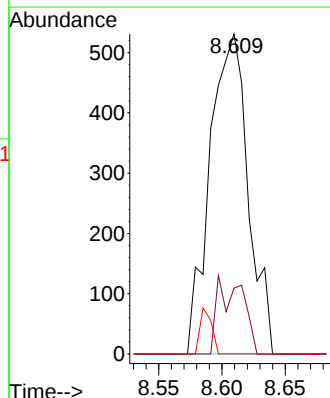
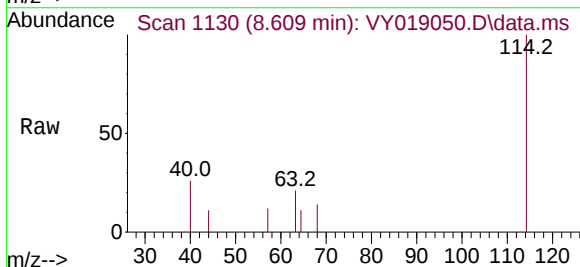
Tgt Ion: 114 Resp: 1117

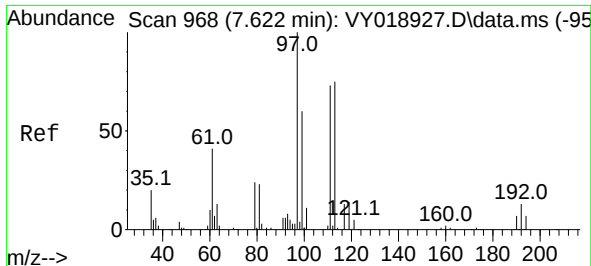
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 0.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 61.535 ug/l

RT: 7.616 min Scan# 9

Delta R.T. -0.006 min

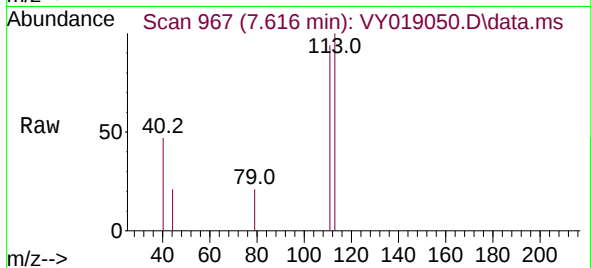
Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

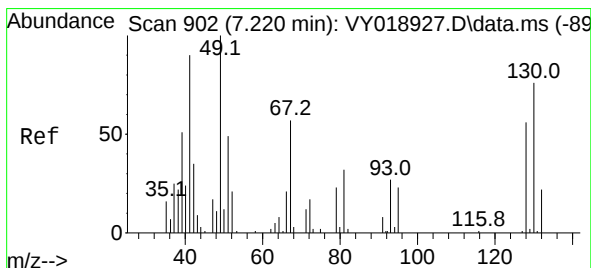
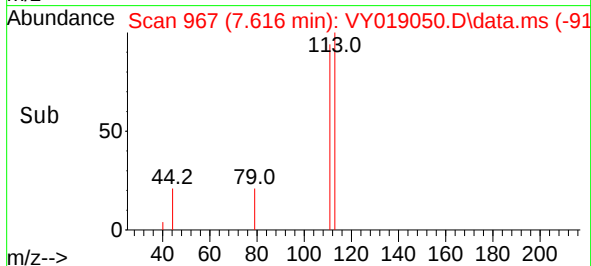
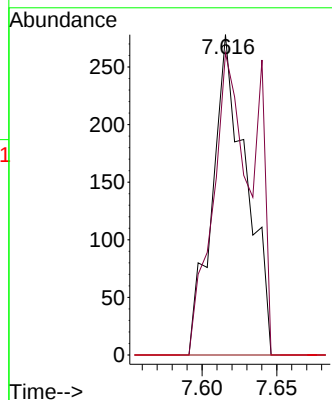
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	439
Ion	Ratio	Lower	Upper
113	100		
111	112.3	82.2	123.4
192	0.0	15.9	23.9#



#41

Methacrylonitrile

Concen: 8.426 ug/l

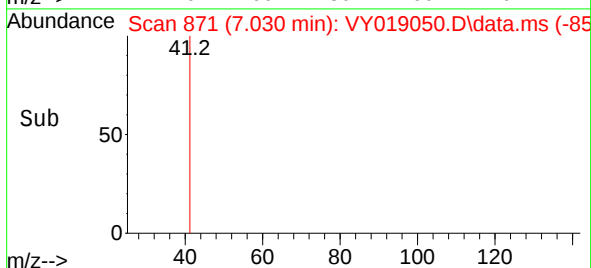
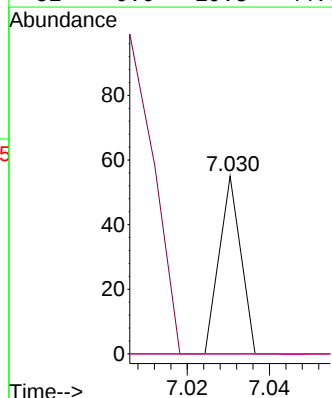
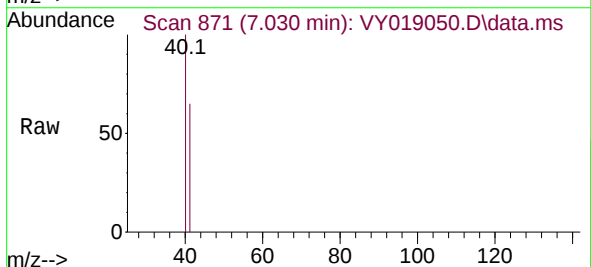
RT: 7.030 min Scan# 871

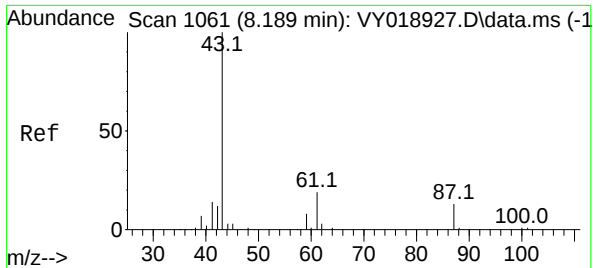
Delta R.T. -0.189 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#

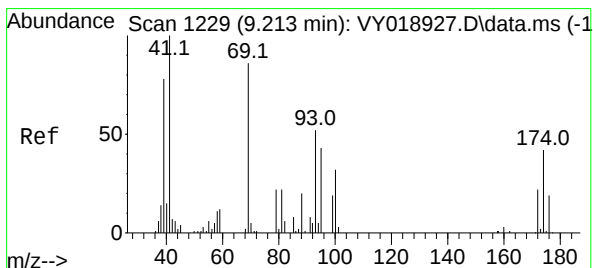
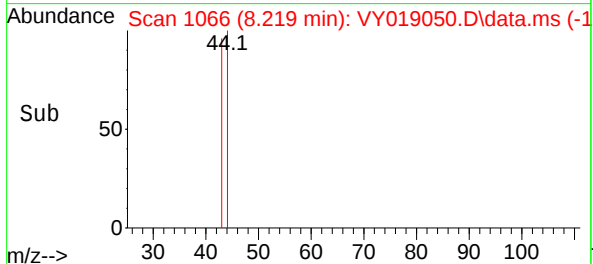
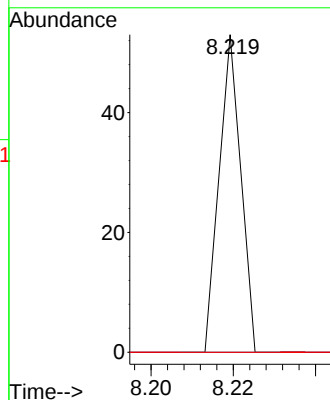
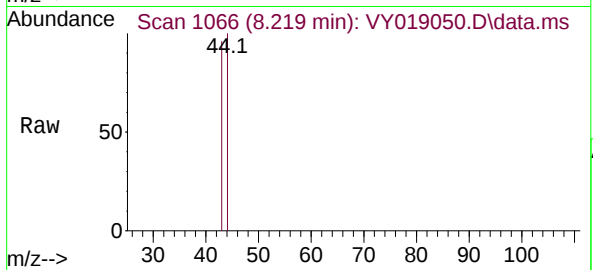




#43
Isopropyl Acetate
Concen: 2.134 ug/l
RT: 8.219 min Scan# 11
Delta R.T. 0.030 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

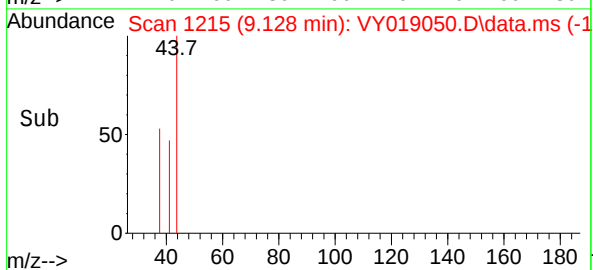
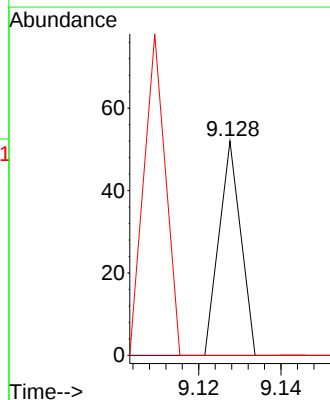
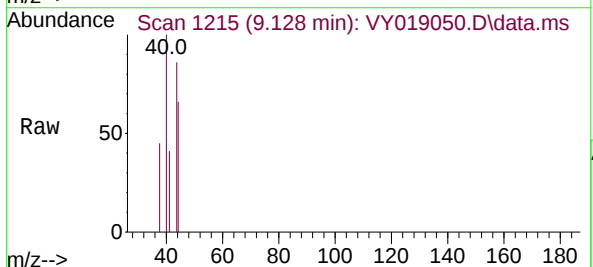
Instrument :
MSVOA_Y
ClientSampleId :

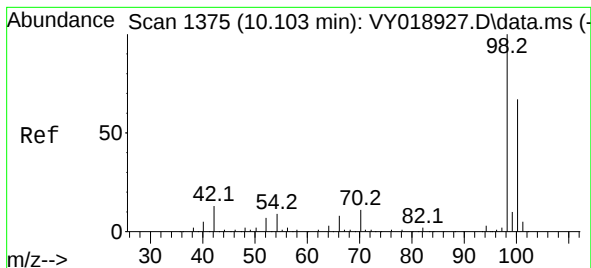
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
61 0.0 27.9 41.9#
87 0.0 13.1 19.7#



#48
Methyl methacrylate
Concen: 4.886 ug/l
RT: 9.128 min Scan# 1215
Delta R.T. -0.085 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 152.6 43.6 65.4#





#50

Toluene-d8

Concen: 40.069 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Instrument :

MSVOA_Y

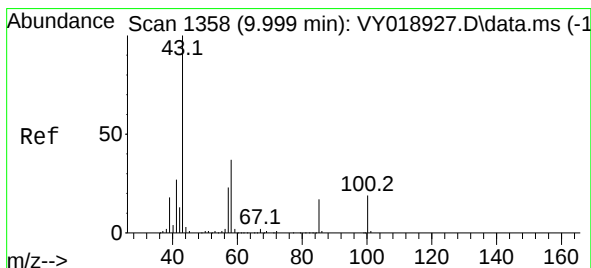
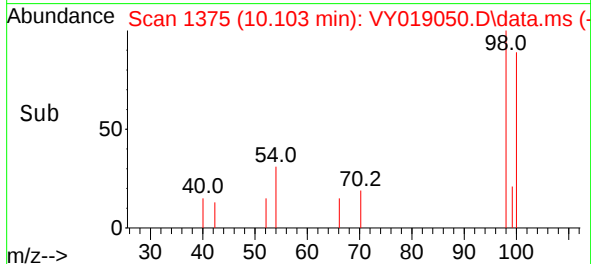
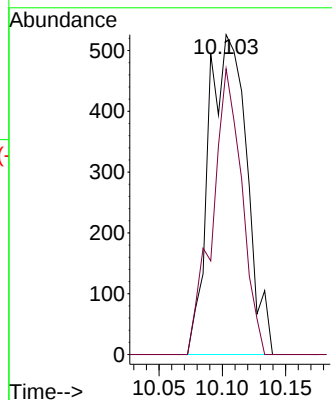
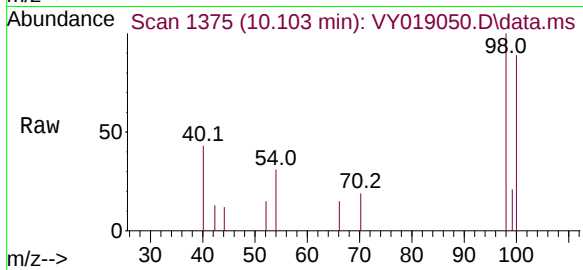
ClientSampleId :

Tgt Ion: 98 Resp: 1098

Ion Ratio Lower Upper

98 100

100 69.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 4.356 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.097 min

Lab File: VY019050.D

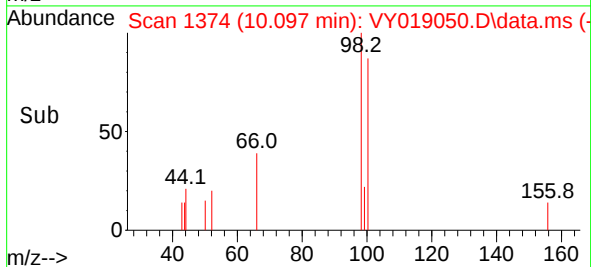
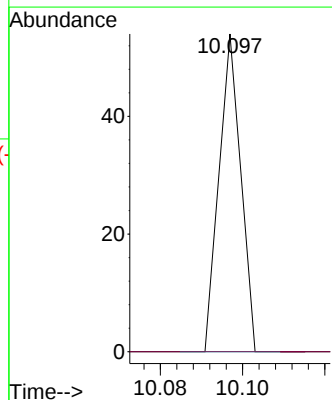
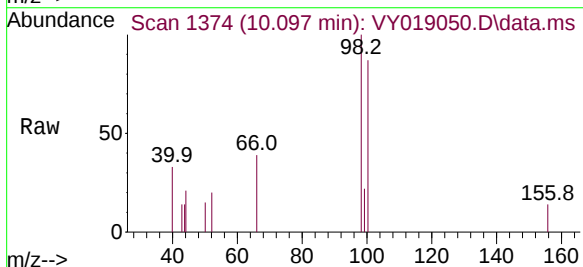
Acq: 14 Aug 2024 11:45

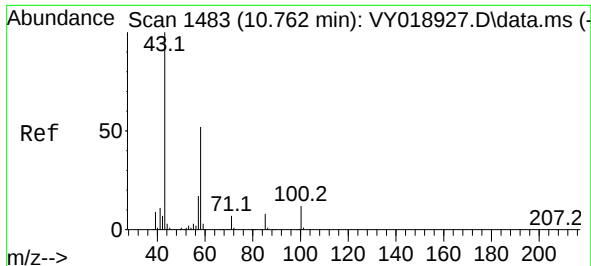
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#

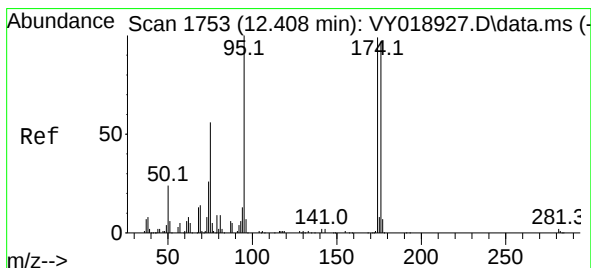
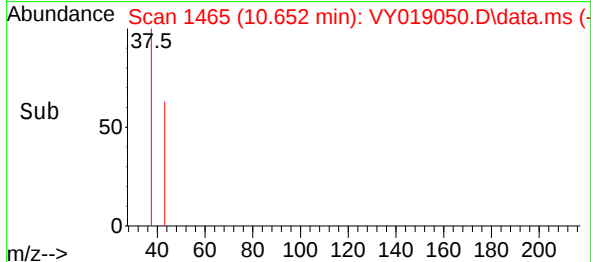
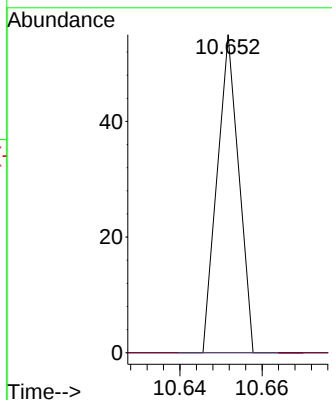
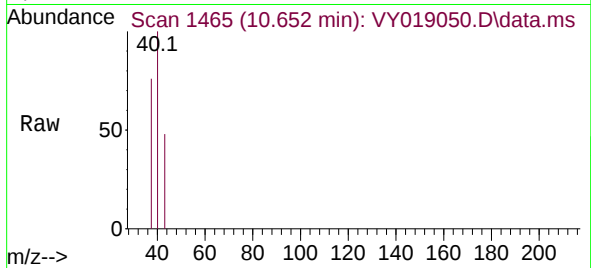




#59
2-Hexanone
Concen: 6.073 ug/l
RT: 10.652 min Scan# 1483
Delta R.T. -0.110 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

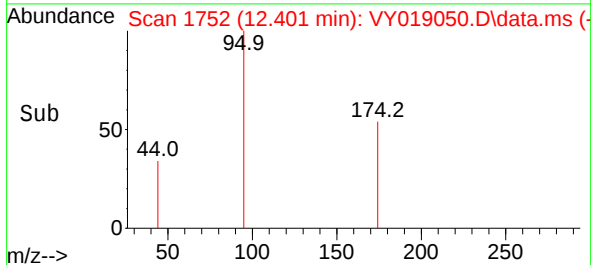
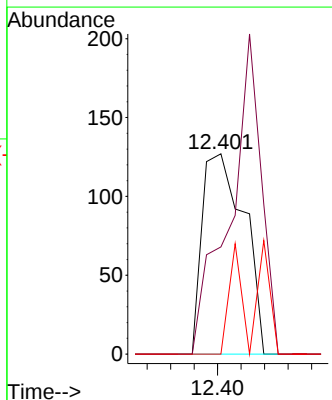
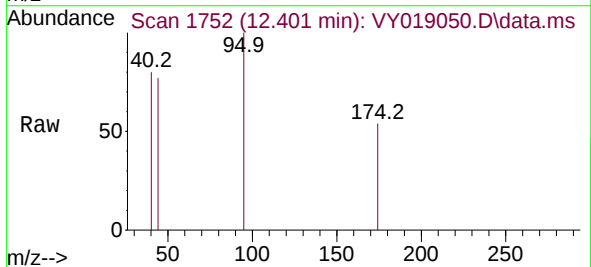
Instrument :
MSVOA_Y
ClientSampleId :

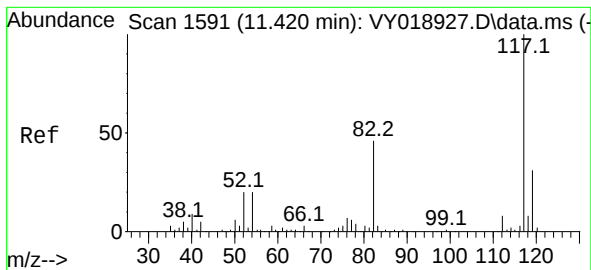
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 19.312 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY019050.D
Acq: 14 Aug 2024 11:45

Tgt Ion: 95 Resp: 157
Ion Ratio Lower Upper
95 100
174 120.4 0.0 175.6
176 33.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Instrument :

MSVOA_Y

ClientSampleId :

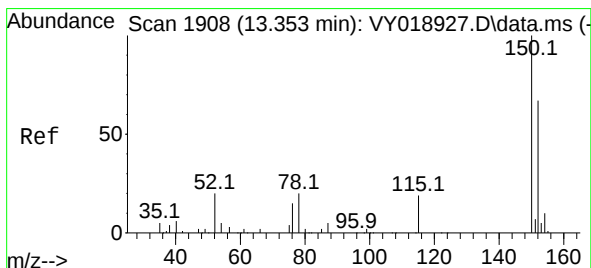
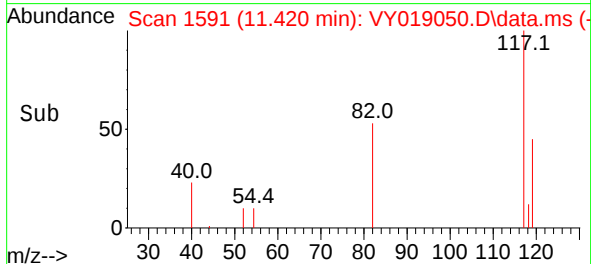
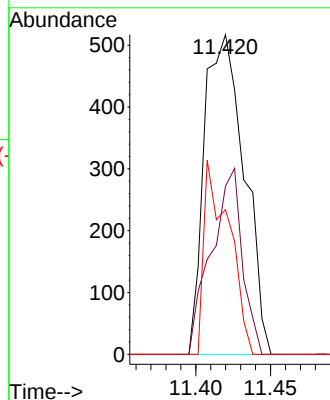
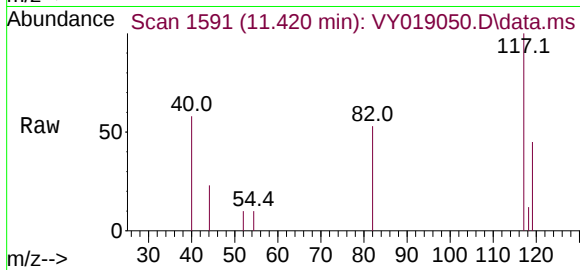
Tgt Ion:117 Resp: 959

Ion Ratio Lower Upper

117 100

82 52.6 42.4 63.6

119 45.3 25.9 38.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

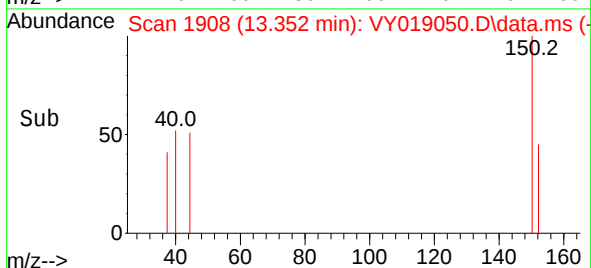
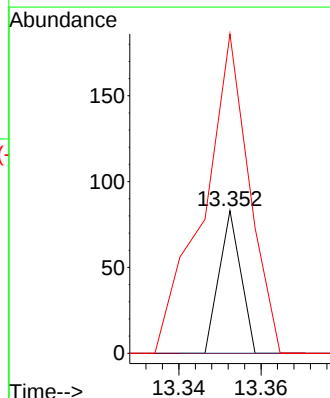
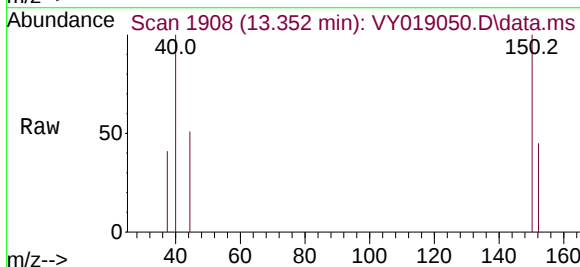
Tgt Ion:152 Resp: 30

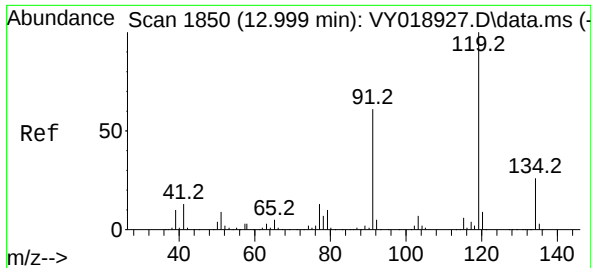
Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 480.0 0.0 345.6#





#83

tert-Butylbenzene

Concen: 12.408 ug/l

RT: 12.792 min Scan# 11

Delta R.T. -0.207 min

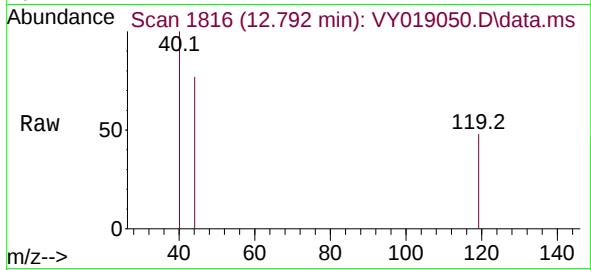
Lab File: VY019050.D

Acq: 14 Aug 2024 11:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:119 Resp: 20

Ion Ratio Lower Upper

119 100

91 0.0 31.3 93.8#

134 0.0 13.4 40.1#

